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ENVIRONMENTAL + LABORATORIES

Client Information:

Project Information:

Laboratory Sample ID#:

Received Date: 09/17/2025
Analysis Date: 09/18/2025

Spore Trap Extended Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Sample Summary				
Laboratory ID#	**Client Sample ID**	**Client Description**		**Volume (L)**
T251666-01	#1	Master Bedroom		75
Spore Identification		**Raw Count**	**(Count/m³)**	**% Read**
Aerobasidium				
Alternaria		4	53	3
Ascospores		6	80	4
Aspergillus/Penicillium				
Basidiospores		64	853	47
Bipolaris/Dreschslera				
Chaetomium				
Cladosporium		16	213	12
Curvularia				
Epicoccum				
Nigrospora				
Oidium/Peronospora				
Smuts/Myxomycetes/Periconia/Rusts		45	600	33
Spegazzinia				
Stachybotrys				
Torula				
Trichoderma				
Ulocladium/Pithomyces/Stemphylium				
Total Spores		135	1800	100

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Non-Spore Identification	Raw Count	(Count/m^3)
Hyphal Fragments	4	53
Pollen	1	13
Non-fungal debris (Background)	7	300,000,to 375,000 particles
% Skin Fragment (of Background)		30%

Comments:

Client Information:

Project Information:

Laboratory Sample ID#:

Received Date: 09/17/2025
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Sample Summary				
Laboratory ID#	**Client Sample ID**	**Client Description**		**Volume (L)**
T251666-02	#2	Kitchen		75
Spore Identification		**Raw Count**	**(Count/m^3)**	**% Read**
Aerobasidium				
Alternaria		6	80	3
Ascospores		13	173	7
Aspergillus/Penicillium		28	373	14
Basidiospores		99	1320	50
Bipolaris/Dreschslera				
Chaetomium				
Cladosporium		26	347	13
Curvularia				
Epicoccum				
Nigrospora				
Oidium/Peronospora				
Smuts/Myxomycetes/Periconia/Rusts		24	320	12
Spegazzinia				
Stachybotrys				
Torula				
Trichoderma				
Ulocladium/Pithomyces/Stemphylium		1	13	1
Total Spores		197	2627	100

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Non-Spore Identification	Raw Count	(Count/m³)
Hyphal Fragments	6	80
Pollen		
Non-fungal debris (Background)	6	150,000 to 225,000 particles
% Skin Fragment (of Background)		30%

Comments:

Client Information:

Project Information:

Laboratory Sample ID#:

Received Date: 09/17/2025
Analysis Date: 09/18/2025

Spore Trap Extended Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Sample Summary				
Laboratory ID#	**Client Sample ID**	**Client Description**		**Volume (L)**
T251666-03	#3	Exterior		75
Spore Identification		**Raw Count**	**(Count/m³)**	**% Read**
Aerobasidium				
Alternaria		1	13	0
Ascospores		10	133	4
Aspergillus/Penicillium				
Basidiospores				
Bipolaris/Dreschslera		162	2160	59
Chaetomium				
Cladosporium		52	693	19
Curvularia				
Epicoccum				
Nigrospora				
Oidium/Peronospora				
Smuts/Myxomycetes/Periconia/Rusts		47	627	17
Spegazzinia				
Stachybotrys				
Torula				
Trichoderma				
Ulocladium/Pithomyces/Stemphylium		1	13	0
Total Spores		273	3640	100

Pollen	1	

Comments:

Client Information:

Project Information:

Laboratory Sample ID#:

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Spore Trap Extended Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

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Sample Summary				
Laboratory ID#	**Client Sample ID**	**Client Description**		**Volume (L)**
T251666-04	#4	Guest Bedroom		75
Spore Identification		**Raw Count**	**(Count/m³)**	**% Read**
Aerobasidium				
Alternaria		1	13	1
Ascospores		2	27	2
Aspergillus/Penicillium				
Basidiospores		47	627	53
Bipolaris/Dreschslera				
Chaetomium				
Cladosporium		21	280	24
Curvularia				
Epicoccum				
Nigrospora				
Oidium/Peronospora				
Smuts/Myxomycetes/Periconia/Rusts		18	240	20
Spegazzinia				
Stachybotrys				
Torula				
Trichoderma				
Ulocladium/Pithomyces/Stemphylium				
Total Spores		89	1187	100

Non-Spore Identification	Raw Count	(Count/m³)
Hyphal Fragments		
Pollen		
Non-fungal debris (Background)	7	300,000,to 375,000 particles
% Skin Fragment (of Background)		40%

Comments:

Client Information:

Project Information:

Laboratory Sample ID#:

Received Date: 09/17/2025
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Spore Trap Extended Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Analyst: Richard Vincent

Approved By: Noah Poulin

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field blank correction is not applied to spore count reporting. L&R reports spore trap results as spores per cubic meter (count/m3) of air, and the analytical sensitivity is the spores/m3 divided by the raw count, expressed in spores/m3. The detection limit is the analytical sensitivity in (spores/m3) multiplied by the sample volume (in liters) divided by 1000 liters. *Indicates particles found at 400x during analysis. Background debris indicates the amount of organic, inorganic, and non-biological particulate matter present on the sample(s) analyzed. During analysis, L&R may find areas of the sample with background debris that limit the visibility and resolution. Excessive background debris prohibits accurate detection and quantification, thus lowering the actual spore count reporting.